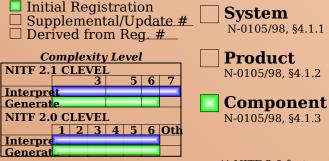# NITFS
Compliance Registration

Product: Enterprise Image Access Solutions (E-IAS) Image Chipper Version 1.1 (Solaris)

Sponsor: ITT Visual Information Solutions

Developer: ITT Visual Information Solutions

Date: 11 May 2010
Expiration: 10 May 2012
Registration #: 3016

- ☑ Initial Registration
- ☐ Supplemental/Update #____
- ☐ Derived from Reg. #____

☐ **System**
N-0105/98, §4.1.1

☐ **Product**
N-0105/98, §4.1.2

☒ **Component**
N-0105/98, §4.1.3

Complexity Level

NITF 2.1 CLEVEL					
		3	5	6	7
Interpret					
Generate					

NITF 2.0 CLEVEL							
	1	2	3	4	5	6	Oth
Interpret							
Generate							

Configurations Tested:
- Version 10.5 operating on a Sun Sparc

** NITF 2.0 feature
* NITF 2.1 feature

Note: The image chipper performs a limited interpretation on the input products to process an update compliant output product. An example is interpreting the RPC TRE to establish new IGEOLO corner points. The application also updates DIGEST, ICHIP and HISTO TREs

NITFS Features Implemented:

Format
NITF
- ◉ 2.1
- ◉ 2.0
- ○ 1.1
NSIF
- ○ 1.0

Pixel Value Types
- ○○ Boolean
- ● Integer
- ○○ Signed Integer *
- ○○ IEEE Real *
- ○○ IEEE Complex *

Annotation Segment Types
- ○○ Bit Mapped **
- ○○ CGM, 2301
- ○○ CGM, 2301A
- ○○ Labels **

Text Segments
- ○○ STA
- ○○ UT1
- ○○ U8S
- ○○ MTF

Image Segment Types
- ○● MONO
- ○● RGB
- ○○ RGB/LUT
- ○● YCbCr
- ○● MULTI
- ○○ NODISPLY
- ○○ POLAR

Image Compression
- ○● No Compression
- ◉● JPEG Lossy, 8-bit
- ◉● JPEG Lossy, 12-bit
- ○○ JPEG Downsample
- ○○ JPEG Lossless
- ◉● JPEG 2000
- ○○ Bi-Level
- ○○ Vector Quantization

Data Extension Segments
- ○○ TRE_OVERFLOW
- ○○ STREAMING_FILE_HEADER
- ○○ Controlled Extensions **
- ○○ Registered Extensions **

Tagged Record Extensions
- ◉◉ CSDE
- ◉◉ DIGEST
- ○○ PIAE
- ◉● J2KLRA
- ◉● ICHIPB
- ◉◉ NCDRD

Legend
- ●● Fully implemented
- ◉◉ Partially implemented
- ○○ Not implemented

Interpret / Generate

Valerie Baker, Lt Col, USAF, Portfolio Chief
Joint Interoperability Test Command
Executive Agent to National Geospatial-Intelligence Agency for the NITFS Test and Evaluation Program